

## Thermal RC network (Foster)

## **SPICE thermal model**

BUK7K23-80E Unit

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
$R_{ ext{th(j-mb)}}$	thermal resistance from junction to mounting base		-	-	2.84	K/W
				۸		
	Cth₁	2.695E-05 F		<b>分</b> \$		
	Cth <sub>2</sub>	1.471E-04 F			$\neg$	
	Cth <sub>3</sub>	2.047E-04 F			<del></del>	
	Cth <sub>4</sub>	9.149E-04 F		F	tth1 #Cth1	
	Cth <sub>5</sub>	3.724E-03 F		l Y		
	Cth <sub>6</sub>	4.432E-03 F				
	Cth <sub>7</sub>	1.513E-01 F		l f	_	
				F	ith2 🕇 Cth2	
					_	
	Rth <sub>1</sub>	3.337E-03 Ω			<del>-</del>	
	Rth <sub>2</sub>	7.854E-03 Ω		▎	<u> </u>	
	Rth <sub>3</sub>	4.778E-02 Ω		୲	iths 🕇 Ctha	
	Rth₄	1.011E-01 Ω		▎  ┖	•	
	Rth₅	3.141E-01 Ω			<del></del>	
	Rth <sub>6</sub>	1.966Ε+00 Ω		F	tth4 # Cth4	
	Rth <sub>7</sub>	4.039E-01 Ω	لر	L H	_ T	
			( F	•) _	1	
			_	<u> </u>	•	
				F	iths 💳 Cth5	
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Part:

BUK7K23-80E

Date:

15/6/2017

Model Rth

2.84 K/W

www.nxp.com

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